

FURTHER ADDITIONS TO THE RECORDS OF MARINE FISHES FROM KAIKOURA

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ABSTRACT

Nineteen marine fish species are listed with information on capture and habitat. One species *Mitsukurina owstoni* Jordan, 1898 is a new record for New Zealand.

Keywords: Fish, marine, new records, Kaikoura.

INTRODUCTION

Two previous publications have recorded marine fishes from Kaikoura. Francis (1979) listed 179 species and Roberts and van Berkel (1982) added a further 10 species to the records. This paper presents additional records from Kaikoura compiled since 1982, giving a species list (at 10/8/85) of 208 species.

Specimens listed were collected from commercial fishermen, fish processing factories, by scuba diving and beach combing. They were identified and added to the Edward Percival Field Station reference collections or the National Museum collections. Additional information is given for means of capture, location and depth where available. All the species listed are recorded for the first time from Kaikoura.

SPECIES LIST

Abbreviations used in this species list are as follows:

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|-------------|---|
| EPFS | - Edward Percival Field Station |
| NMNZ | - National Museum of New Zealand, Wellington |
| id. | - identification confirmed by C.D. Paulin (CDP), G.S. Hardy (GSH), W. Davison (WD), J.G.J.M. van Berkel (JvB) |
| "The Faces" | - sea area off the seaward end of the Kaikoura Peninsula |
| "The Hole" | - sea area about 5 km SW of South Bay, Kaikoura |
| NZOI | - New Zealand Oceanographic Institute |
| stn | - NZOI station location |

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| Squalidae | <i>Cirrhitigaleus barbifer</i> Tanaka, 1912 whiskered dogfish. EPFS KA512B id. JvB. In set net 280 m. "The Faces" Kaikoura Peninsula. Coll. L. Baxter 18-9-83. |
| Mitsukurinidae | <i>Mitsukurina owstoni</i> Jordan, 1898 goblin shark. EPFS KA515L id. CDP. In set net 300 m. "The Hole" Kaikoura. Coll. G. McDougall 28-3-85 Specimen deposited in NMNZ. |
| Scyliorhinidae | <i>Apristurus</i> sp. deepwater cat shark. EPFS KA510A id. JvB. In set net 360 m off Haumuri Bluffs Kaikoura. Coll. D. Bolton 14-3-83. |
| Sphyrnidae | <i>Sphyrna zygaena</i> Linnaeus hammerhead shark. EPFS KA512Q id. JvB. In set net 80 m "The Hole" Kaikoura. Coll. L. Eden 19-4-84. |
| Myctophidae | <i>Symbolophorus barnardi</i> Large lantern fish EPFS KA515Z id. WD. Washed up on beach at Seal Reef. Coll. G. Fenwick 10-5-85. |
| Moridae | <i>Antimora rostrata</i> (Günther, 1878) violet cod. EPFS KA509X id. WD. In Agassiz trawl NZOI Stn U265 1705 - 1500 m, Kaikoura. Coll. Tangaroa expedition 16-12-82. |

- Macrouridae *Coryphaenoides serrulatus* Günther, 1878
serrate rattail. EPFS KA509R id. WD. In
Agassiz trawl NZOI Stn U256 750 - 800 m
Kaikoura. Coll. Tangaroa expedition 13-12-82.
- Coryphaenoides murrayi* Günther, 1878
abyssal rattail. EPFS KA509W id. WD. In
Agassiz trawl NZOI Stn U265 1705 - 1500 m
Kaikoura. Coll. Tangaroa expedition 16-12-82.
- Coelorhynchus fasciatus* Günther, 1878
striped rattail. EPFS KA512L id. WD. In
Agassiz trawl NZOI Stn T422 250 - 490 m
Kaikoura. Coll. Tangaroa expedition 1-12-83.
- Diretmidae *Diretmoides parini* Post & Quero, 1981
discfish. EPFS KA510B id. JvB. In set net
360 m off Haumuri Bluffs Kaikoura. Coll. D.
Bolton 14-3-83.
- Macrorhamphosidae *Centriscoops obliquus* Waite, 1912
banded bellowsfish. EPFS KA513N id. JvB.
In set net 520 m Conway Rise, Kaikoura.
Coll. G. Melville 4-3-85.
- Triglidae *Lepidotrigla brachyoptera* Hutton 1872
scaly gurnard. EPFS KA512X id. WD. In bait
trawl off Kaikoura 4-5-84.
- Congiopodidae *Alertichthys blacki* Moreland 1960
alert pigfish. EPFS KA512K id. WD. In trawl
240-300 m Conway Rise, Kaikoura. Coll.
Tangaroa expedition 2-12-83.
- Cottidae *Neophrynichthys angustus*
pale toadfish. EPFS KA513F id. JvB. In set
net, Kaikoura. Coll. M. Phillips 8-10-84
- Emmelichthyidae *Plagiogeneion rubiginosus* (Hutton, 1876)
ruby fish. EPFS KA513C id. JvB. In set net
400 m, Conway Rise, Kaikoura. Coll. G.
Melville 27-6-84.
- Cheilodactylidae *Nemadactylus douglasi* (Hector)
porae. EPFS KA510C id. JvB. In set net,
South Bay, Kaikoura. Coll. ex Virgo Fisheries.
Within 2 weeks 3 specimens one "Large" were
recorded at the Fisheries. 21-3-83.

- Acanthoclinidae *Taumakoides littoreus*
rockfish. EPFS K594A id. GSH. Collecting
among rocks by boys in South Bay, Kaikoura
24-5-64.
- Tripterygiidae *Tripterygion* sp4 (as described in Ayling & Cox,
1982)
oblique swimming blenny id WD. No specimens
were collected, but small populations have
been spotted at South Bay and Baxters Reef.
- Eleotridae *Grahamichthys* sp ? *radiata*
Grahams gudgeon. EPFS KA514A id GSH.
Diving in 15 m outside Baxters Reef, South Bay
Kaikoura. Rotenone. Coll. G.S. Hardy & M.P.
Francis 11-3-85. Specimen in NMNZ Colln.

DISCUSSION

All 19 species listed are recorded for the first time off the Kaikoura Coast bringing the total number of marine fishes recorded to 208. One specimen *Mitsukurina owstoni* is considered rare and measured 109 cm. Apparently this is a very young specimen as these fish can grow to approximately 4 metres (Compagno, 1984).

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